

## **REMARKS**

Claims 1-24 are pending in the present application. Applicants believe that the present application is now in condition for allowance, which prompt and favorable action is respectfully requested.

### **35 U.S.C. 103 Rejection**

Claims 1-4, 7-10, 13-16 and 19-22 are rejected under 35 U.S.C. § 103(a) as being allegedly unpatentable over Kallin et al., U.S. Patent No. 6,058,308 (“Kallin”) in view of Ho et al., U.S. Patent No. 5,943,621, (“Ho”). The rejection asserts that Kallin allegedly teaches each element of the claims except for “receiving registration from the MS when a number of cells identified in a first list is equal to a predetermined limit,” which is allegedly taught by Ho. Applicants respectfully traverse the rejection.

Applicants’ independent claims 1, 7, 13 and 19 are generally directed to optimizing registration and paging in a group communication system, Abstract, wherein the claims feature “receiving registration from the mobile station when a number of cells identified in a first list is equal to a predetermined limit.” Applicants believe that at least these features are not taught by either Kallin nor Ho.

Kallin generally teaches adaptively selecting a paging area throughout which to page a mobile terminal. Abstract. Kallin does not teach or disclose “receiving registration from the mobile station when a number of cells identified in a first list is equal to a predetermined limit.”

Ho generally teaches tracking mobile stations, where the “length and identity of the path of the mobile station is traced at the mobile station ... path is monitored for a presence of a loop

... the length of the path is compared to a threshold and a location update is performed in response to the length of the path being greater than the threshold.” Abstract. The office action proposes that Fig. 6 discloses “receiving registration from the mobile station when a number of cells identified in a first list is equal to a predetermined limit.” Fig. 6 discloses a movement threshold Th, wherein “controller 310 determines whether the value of the path length register 406 equals to the movement threshold Th in register 408 (step 612). If the value of the path length register 406 equals the movement threshold register Th in register 408, a location update is performed by mobile station 300, and all cell IDs are removed from the movement history register 404 except for the cell ID of the current cell, and the value of the path length register 406, the movement counter 502, and the call counter 504 are set equal to 0 (step 614).” While there is a threshold value, it is based on the movement of that particular mobile station **only**, not “when a number of cells identified in a first list is equal to a predetermined limit.” Therefore Ho does not teach or disclose “receiving registration from the mobile station when a number of cells identified in a first list is equal to a predetermined limit.”

In view of the foregoing distinctions, Applicants respectfully submit that independent Claims 1, 7, 13 and 19 are patentably distinguished over the cited art. Applicants respectfully submit that Claims 1, 7, 13 and 19 are in condition for allowance, and Applicants respectfully request allowance of Claims 1, 7, 13 and 19.

### **Dependent Claims**

Claims 2-6, 8-12, 14-18 and 20-24 depend either directly or indirectly from one of the independent claims, and include all the subject matter of, claims 1, 7, 13 and 19, and should be allowed for at least the same reasons presented above regarding the independent claims as well as the additionally recited features found in the claims. Because independent claims 1, 7, 13 and

19 are believed to be allowable, Applicant has not argued or otherwise relied on independent patentability of dependent claims, but reserves the right to do so in this or any subsequent proceeding.

## CONCLUSION

In light of the amendments contained herein, Applicants submit that the application is in condition for allowance, for which early action is requested.

Please charge any fees or overpayments that may be due with this response to Deposit Account No. 17-0026.

Respectfully submitted,

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